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File: USPT

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DOCUMENT-IDENTIFIER: US 5934554 A

TITLE: Room temperature sensor and thermostat control device

CLAIMS:

1. A thermostat control device adapted for use in controlling the temperature of a space by a temperature control system, the device comprising:

means for measuring the temperature in the space and generating a temperature signal indicative thereof;

means for setting a setpoint temperature and generating a setpoint signal indicative thereof;

a microprocessor for transmitting said setpoint signal to a networked temperature control system;

means for disabling of setpoint signals when the temperature control system switches to a night mode of operation wherein the temperature control system controls setpoint temperature setting;

means for overriding the temperature control system when the temperature control system is in night mode, so that the thermostat control device controls setpoint temperature setting;

a liquid crystal display for displaying said measured temperature and/or said critical point, and mode of operation;

means for switching temperature display mode between metric and standard engineering units;

means for storing said setpoint temperature, mode of operation and display mode;

a display driver for driving said liquid crystal display under said microprocessor control; and

a man-machine interface port for receiving a hardware passkey whereby when said passkey is inserted in said MMI port, database information from said networked temperature control system is displayed on said liquid crystal display.